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	INFO	RMATION	DIS	CLOSURE	Filing Date	April 02, 2004			
	STATEMENT BY APPLICANT				First Named Inventor	DAVID M. RINEHART			
	SIAI	LINEITI D			Group Art Unit	3835			
	a	se as many shee	ts as n	ecessary)	Examiner Nama	JESSICA L LAUX			
_	Sheet	1	of	1	Attorney Docket Number	AD6991USNA			

$\overline{}$	U.S. PATENT DOCUMENTS										
Examiner Initials	Examiner Cita		cument Number - Kind Code ² (Fknown)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
711.7		บร-	4,060,631	10-2-1990	Walters of al.						
├ /╬┖/╌╌		US:	2004-0234730 A1	11-25-2004	Rinehart et al						
├ ′Ү\ /		us-	2004-0221528 A1	11-11-2004	Rinehart et al	<u> </u>					
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Examiner	/Jessica Laux/	Date Considered	03/08/2007
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INFORMATION DISCLOSURE	Ellipo Date	April 2, 2004
INFORMATION DISCLOSURE	First Named Inventor	David M. Rinehart et al.
	Group Art Unit	3835
	Example Name	Jessica Laux AD6991 USNA
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Examiner	Cite		iment Number Kind Code ² (# known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
Initials *	No.		3,404,134	10-01-1968	REES	
-/		US -	4,406,105	09-27-1983	COLVIN BOLTON ET AL	
<i>-1</i>		us-	4,799,348	01-24-1989	DLUBAK	
-/\ \/-		US-	5.880,608	10-05-1999	DECORA	
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Initials"	140.	WO 93/02289	02-04-1993 07-02-1998			Image: Control of the
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	Signature			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

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Application Number	10/817628				
Filing Date	April 02, 2004				
First Named Inventor	DAVID M. RINEHART				
Group Art Unit	1774 3635				
Examiner Name	J. Laux				
Attorney Docket Number	AD6991USNA				

	U.S. PATENT DOCUMENTS									
Examiner Initials	Cite	Document Number Number – Kind Code ² (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant				
11111013	110.					Figures Appear				
-1111		US -	5,355,645	10-18-1994	Farag ·					
7117		US -	2001/0023562 A1	9-27-2001	Blobaum et al.					
7.11.7		US -	5,373,672	12-20-1994	Schulz					
7,51,7		US -	3,843,193	10-22-1974	Krings et al.					
1.11 /		US -	4,004,388	1-25-1977	Stefanik	•				
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	FOREIGN PATENT DOCUMENTS									
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tnitials*	No.1	CountryCode ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear	T ₆				
7.117		GB 2 150 200 A	6-26-1985	Norcros Investments Ltd.						
/Ji/		EP 0 525 690 B1	2-3-1993	Bischoff Glastechnik						
/.11 /		EP 0 775 789 A1	5-28-1997	Flachglas AG						
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Examiner Signature	/Jessica Laux/	Date Considered	03/08/2007

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Application Number 10/817628

Filing Date April 02, 2004

First Named Inventor DAVID M. RINEHART ET. AL.

Group Art Unit 4774—31.55

Examiner Name 1. Laux

Sheet	2	of	2	Attorney Doci	et Number	AD69	991USNA	
OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS								
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ²	
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April 2, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Filing Date

Application Number

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. 1		cument Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7,1[7]		US-	3,404,134	10-01-1968	REES	
/JL7		US-	4,406,105	09-27-1983	COLVIN	
/JL/		US -	4,799,376	01-24-1989	SIEDLECKI, JR. ET AL.	
/JL/		US -	5,960,606	10-05-1999	DLUBAK	
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Examiner Signature	/Jessica Laux/	Date Considered	03/08/2007

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